

Claims

1. A mechanism for opening permitting the release of a single cone onto a road bed;

a reciprocating dual shoe mechanism under the arrangement for supporting a plurality of cones and for permitting a single cone to be released to the street level; and

a slide plate for facilitating the release of the cone onto the street level.

2. The apparatus at Claim 1 wherein said cam is timed at the speed of the vehicle to drop a single road cone at a pre-timed interval.

3. The apparatus of Claim 1 wherein said cam is powered by a drive chain affixed to a gear box.

4. An apparatus for releasing a single road cone at a timed interval comprising:

a mechanism comprising at least one reciprocating shoe which supports a plurality of road cones in a first position, and which lock a single cone on a second position which is then released at a timed interval;

a chute proximate to at least one reciprocating shoe to permit said released cone to slide downward toward the road surface; and

a vertical angle slide plate affixed to said chute to permit said cone to be released smoothly onto a road surface as the vehicle moves forward.

5. An apparatus for releasing a single road cone at a timed interval comprising:

(a) a mechanism comprising a pair of vertically separated reciprocating shoes for supporting a stack of road cones having a first pair of reciprocating shoes and which drop the stack of road cones onto a second pair of reciprocating shoes, said first pair closing to support the stack of cones above the lowermost cone and said second shoe pair then opening to release said single road cone;

(b) a chute proximate to the mechanism to permit said single cone to slide downward toward the road; and

(c) a spring angle slide plate to permit said cone to be released smoothly onto a road surface as the vehicle moves forward.

6. The apparatus of Claim 5 wherein the mechanism operates under the control of a microprocessor pre-programmed with the speed of the vehicle.